

ROBERT E. BUSHNELL\*†

JOSEPH G. SEEBER°  
DARREN R. CREW+\*  
MATTHEW J. LESTINA†\*  
SARYADVINDER S. SAHOTA†\*  
JONG H. PARK†  
FRANK J. DYNDAA\*

OF COUNSEL  
RICHARD H. STERN°

MICHAEL D. PARKER  
(REG. PATENT AGENT)

† ADMITTED IN MARYLAND  
° ADMITTED IN VIRGINIA  
+ ADMITTED IN PENNSYLVANIA  
‡ ADMITTED IN NEW YORK  
° ADMITTED IN CONNECTICUT  
\* ADMITTED IN NEW JERSEY  
\* NOT ADMITTED IN D.C.

102403  
13281 U.S. PTO

R. E. BUSHNELL

ATTORNEY AT LAW

1522 K STREET, N.W., SUITE 300  
WASHINGTON, D.C. 20005-1202  
UNITED STATES OF AMERICA

24 October 2003

INTELLECTUAL PROPERTY LAW

TELEPHONE (202) 408-9040  
FACSIMILE (202) 289-7100  
FACSIMILE (202) 628-3835  
FACSIMILE (410) 747-0022  
E-MAIL: REBUSHNELL@AOL.COM

- ☐ U.S. Postal Service  
☐ Via Local Courier  
☐ Via International Courier  
☐ Via Facsimile No. \_\_\_\_\_  
☐ Via E-Mail Attachment  
☐ Please Acknowledge Receipt

**Mail Stop Patent Application**

Commissioner for Patents

P.O.Box 1450

Alexandria, VA 22313-1450

Attorney Docket: P56978

22386 U.S. PTO  
10/692344  
102403

Sir:

Submitted herewith is the following patent application:

**Inventor:** 1) KI-YUN KIM 3) HYUNG-JIN CHOI  
2) HO KIM

**Title:** APPROXIMATION METHOD FOR SERIES EXPANSION OF  
INPUT FUNCTION AND SYSTEM USING THE SAME

Please find attached hereto an application for patent which includes: Specification and Abstract, Claims, original Declaration And Power of Attorney, Assignment, and a certified copy of the foreign priority document identified below:

Verified Showing of Small Entity Status: **NO**

Drawings: Formal drawings, 8 sheets, Figures 1 through 7C

Claim of priority under 35 U.S.C. §119: **YES**

\*\* The Republic Of Korea Application No. 10-2003-27747 filed 30 April 2003

**FEE (see formula below): CHECKS NOT ENCLOSED**

**Basic Fee** \$385/770 ..... **\$770.00**

**Additional Fees:**

Total number of claims in excess of 20: 5 times \$9/18 . **\$90.00**

Number of independent claims in excess of 3: 4 times \$43/86 ..... **\$344.00**

Multiple Dependent Claims \$145/290 ..... **\$0.00**

An Assignment is likewise enclosed: Recording Fee \$40 .. **\$0.00**

Filing Non-English specification ..... **\$0.00**

**TOTAL FEES FOR THE ABOVE APPLICATION ..... \$1,204.00**

Commissioner for Patents

24 October 2003

Page Two

Docket No.: P56978

**Inventor:**      1) KI-YUN KIM                      3) HYUNG-JIN CHOI  
                         2) HO KIM

**Title:**            **APPROXIMATION METHOD FOR SERIES EXPANSION OF  
INPUT FUNCTION AND SYSTEM USING THE SAME**

The Commissioner is authorized to charge our Deposit Account No. 02-4943 for any additional charges necessary towards payment of the issue fee for the above-referenced application. Please notify the undersigned attorney of any transaction regarding our Deposit Account.

In view of the above, it is requested that this application be accorded a filing date pursuant to 37 CFR 1.53(b).

Please address all correspondence to:

Robert E. Bushnell  
1522 K Street, N.W.  
Suite 300  
Washington, D.C. 20005-1202

Respectfully submitted,

  
\_\_\_\_\_  
Robert E. Bushnell

(Registration No. 27,774)

Customer No.: 008-439

Attorney for the Applicant

1522 K Street, N.W.

Suite 300

Washington, D.C. 20005-1202

Telephone: (202) 408-9040

Telefacsimile: (202) 289-7100

REB/kf

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of:

KI-YUN KIM *et al.*

Serial No.: *to be assigned*

Examiner: *to be assigned*

Filed: 24 October 2003

Art Unit: *to be assigned*

For: APPROXIMATION METHOD FOR SERIES EXPANSION OF INPUT  
FUNCTION AND SYSTEM USING THE SAME

**TRANSMITTAL OF DECLARATION**

**Mail Stop Patent Application**

Commissioner for Patents


P.O.Box 1450

Alexandria, VA 22313-1450

Sir:

This transmittal accompanies the original Declaration not executed by the inventors for the above-referenced application. The signed and dated Declaration will be duly submitted to the U.S. Patent & Trademark Office when Applicants have received a serial number for this application.

Respectfully submitted,

  
\_\_\_\_\_  
Robert E. Bushnell,  
Attorney for the Applicant  
Registration No.: 27,774

Suite 300, 1522 "K" Street, N.W.  
Washington, D.C. 20005  
(202) 408-9040

Folio: P56978  
Date: 10/24/3  
I.D.: REB/ki